KAPREALIAN ENGINEERING
INCORPORATED

KEI-P88-1110.QR3
February 28, 1994

94 APR 15 PM 2:19
ALCO HAZMAT

Berkeley Land Company
4550 San Pablo Avenue
Emeryville, CA 94608

Attention: Mr. Norm Alberts

RE: Quarterly Report
Berkeley Land Company
23555 Saklan Road
Hayward, California

KAPREALIAN ENGINEERING INCORPORATED
Robert H. Kezerian, P.E.
Project Manager
2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel. 510 602 5100
Fax: 510.687 0602

Dear Mr. Alberts:

This report presents the results of the most recent quarter of monitoring and sampling of the monitoring wells at the referenced site by Kaprealian Engineering, Inc. (KEI). All of the wells are currently monitored monthly and sampled on a quarterly basis. This report covers the work performed by KEI from November of 1993 through January of 1994.

BACKGROUND

The subject site occupies the northeast corner of the intersection of Saklan Road and Middle Lane in Hayward, California, and is situated approximately two miles from the shores of the San Francisco Bay. The site is located in a mixed light industrial and residential area. A Location Map is attached to this report. A large part of the site is used by Quality Tow, an automobile towing operation, for the storage of used vehicles.

In June of 1988, an underground fuel storage tank was reportedly removed from the site. On February 27, 1990, and March 1, 1990, two exploratory borings were drilled at the site. During the drilling of the borings, a six-inch diameter water well was discovered adjacent to the former underground fuel storage tank pit. On May 30, 1990, four exploratory borings were drilled and five monitoring wells installed at the site. KEI's initial work at the site was conducted on February 25, 1993, when the five existing monitoring wells were monitored and sampled. On June 1 and 2, 1993, seven exploratory borings, in conjunction with a Hydropunch study, were drilled at the site. A total of 13 borings have been drilled and five monitoring wells have been installed at the site.

A site description, detailed background information including a summary of all of the soil and ground water subsurface investiga-

tion/remediation work conducted to date, site hydrogeologic conditions, and tables that summarize all of the soil and ground water sample analytical results are presented in KEI's report (KEI-P88-1110.R2) dated July 12, 1993.

RECENT FIELD ACTIVITIES

The five monitoring wells (MW1 through MW5) and the water well (WW1) were monitored three times and were sampled once during the quarter. The water well was also purged of a total of 12 ounces of product during the quarter. During monitoring, the wells were checked for depth to water and the presence of free product. Prior to sampling, the wells were also checked for the presence of a sheen. No free product or sheen was noted in any of the wells during the quarter, except for free product noted in the water well once. The monitoring data collected this quarter are summarized in Table 1.

Ground water samples were collected from all of the wells on January 20, 1994. Prior to sampling, the wells were each purged of between 20 and 90 gallons of water by the use of a surface pump. The samples were collected by the use of a clean Teflon bailer. The samples were decanted into clean VOA vials and/or one-liter amber bottles, as appropriate, which were then sealed with Teflon-lined screw caps, labeled, and stored in a cooler, on ice, until delivery to a state-certified laboratory.

HYDROLOGY

The measured depth to ground water at the site on January 20, 1994, ranged between 12.78 and 14.81 feet. The water levels in all of the wells have shown net increases ranging from 0.14 to 0.21 feet since October 28, 1993. Based on the water level data gathered during the quarter, the ground water flow direction appeared to be predominantly to the west-southwest, as shown on the attached Potentiometric Surface Maps, Figures 1, 2, and 3. The ground water flow direction has been predominantly to the southwest since the inception of the monitoring program in May of 1993 (three consecutive quarters). The average hydraulic gradient at the site on January 20, 1994, was approximately 0.003.

ANALYTICAL RESULTS

The ground water samples collected this quarter were analyzed at Sequoia Analytical Laboratory and were accompanied by properly executed Chain of Custody documentation. The samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline by EPA method 5030/modified 8015, TPH as diesel by EPA method 3510/modified 8015,

and benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8020.

The analytical results of all of the ground water samples collected from the wells to date are summarized in Table 2. The concentrations of TPH as gasoline, benzene, and TPH as diesel detected in the ground water samples collected this quarter are shown on the attached Figure 4. Copies of the laboratory analytical results and the Chain of Custody documentation are attached to this report.

DISCUSSION

Based on the analytical results of the soil and ground water samples collected and evaluated to date, KEI recommends the continuation of the current ground water monitoring and sampling program. The five monitoring wells and the water well are currently monitored monthly and sampled on a quarterly basis. Ground water samples collected from the wells are analyzed for TPH as gasoline, TPH as diesel, and BTEX.

Free product had previously been consistently detected in the water well. KEI therefore installed a continuous, surface skimming, free product recovery device in the well. The skimmer is designed to continuously collect any free product present. Any free product collected is removed during the monthly monitoring events. A total of 12 ounces of free product were collected by the skimmer during the previous quarter. However, during the two most recent monitoring events, no free product was detected in the water well.

DISTRIBUTION

A copy of this report should be sent to the Alameda County Health Care Services Agency, and to the RWQCB, San Francisco Bay Region.

LIMITATIONS

Environmental changes, either naturally-occurring or artificially-induced, may cause changes in ground water levels and flow paths, thereby changing the extent and concentration of any contaminants.

Our studies assume that the field and laboratory data are reasonably representative of the site as a whole, and assume that subsurface conditions are reasonably conducive to interpolation and extrapolation.

The results of this study are based on the data obtained from the field and laboratory analyses obtained from a state-certified laboratory. We have analyzed these data using what we believe to

be currently applicable engineering techniques and principles in the Northern California region. We make no warranty, either expressed or implied, regarding the above, including laboratory analyses, except that our services have been performed in accordance with generally accepted professional principles and practices existing for such work.

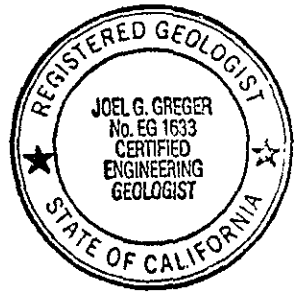
If you have any questions regarding this report, please do not hesitate to call at (510) 602-5100.

Sincerely,

Kaprealian Engineering, Inc.

Sarkis A. Soghomonian
Staff Engineer

Joel G. Greger, C.E.G.
Senior Engineering Geologist



License No. EG 1633
Exp. Date 6/30/94

Robert H. Kezerian
Project Manager

\jad

Attachments: Tables 1 & 2
Location Map
Potentiometric Surface Maps - Figures 1, 2 & 3
Concentrations of Petroleum Hydrocarbons - Figure 4
Laboratory Analyses
Chain of Custody documentation

KEI-P88-1110.QR3
February 28, 1994

TABLE 1

SUMMARY OF MONITORING DATA

Well #	Ground Water Elevation (feet)	Depth to Water (feet)♦	Product Thickness (feet)	Sheen	Water Purged (gallons)	Product Purged (ounces)
(Monitored and Sampled on January 20, 1994)						
MW1	19.34	14.42	0	No	28	0
MW2	19.72	14.61	0	No	32	0
MW3	19.30	14.33	0	No	20	0
MW4	19.22	12.78	0	No	55	0
MW5	19.55	13.09	0	No	24	0
WW1	N/A	14.81	0	No	90	0
(Monitored on December 13, 1993)						
MW1	19.25	14.51	0	--	0	0
MW2	19.64	14.69	0	--	0	0
MW3	19.27	14.36	0	--	0	0
MW4	19.19	12.81	0	--	0	0
MW5	19.50	13.14	0	--	0	0
WW1	N/A	14.86	0	No	0	2+
(Monitored on November 16, 1993)						
MW1	19.09	14.67	0	--	0	0
MW2	19.45	14.88	0	--	0	0
MW3	19.07	14.56	0	--	0	0
MW4	18.98	13.02	0	--	0	0
MW5	19.30	13.34	0	--	0	0
WW1	N/A	15.02	0.30	N/A	0	10+

KEI-P88-1110.QR3
February 28, 1994

TABLE 1 (Continued)

SUMMARY OF MONITORING DATA

Well #	Top of Casing Elevation in feet above Mean Sea Level (MSL)*
MW1	33.76
MW2	34.33
MW3	33.63
MW4	32.00
MW5	32.64

N/A = Not applicable.

-- Sheen determination was not performed.

* Based on Alameda County Benchmark located at Eden Avenue and West Street (elevation = 33.16 MSL).

♦ The depth to water level measurement was taken from the top of the well casing. Prior to September 2, 1993, the water level measurement was taken from the top of the well cover.

+ Product was collected from the skimmer.

KEI-P88-1110.QR3
February 28, 1994

TABLE 2

SUMMARY OF LABORATORY ANALYSES
WATER

Date	Sample Well #	TPH as Diesel	TPH as Gasoline	Benzene	Toluene	Ethyl-benzene	Xylenes
1/20/94	MW1	73	ND	ND	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3	130	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	340♦	ND	ND	ND	ND	ND
	WW1	190,000	34,000*	ND	ND	ND	ND
10/28/93	MW1	120♦	200*	1.8	ND	ND	ND
	MW2	ND	ND	ND	ND	ND	ND
	MW3	170	ND	ND	ND	ND	1.4
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
7/12/93+ & 8/20/93	MW1	200♦	150	1.1	ND	ND	0.51
	MW2	ND	ND	ND	ND	ND	ND
	MW3	ND	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND
2/25/93	MW1	5,900♦	4,600**	45	18	ND	750
	MW2	ND	ND	ND	ND	ND	ND
	MW3	200	ND	ND	ND	ND	ND
	MW4	ND	ND	ND	ND	ND	ND
	MW5	ND	ND	ND	ND	ND	ND

\+ Samples collected on July 12, 1993, were analyzed for TPH as gasoline and BTEX. Samples collected on August 20, 1993, were analyzed for TPH as diesel.

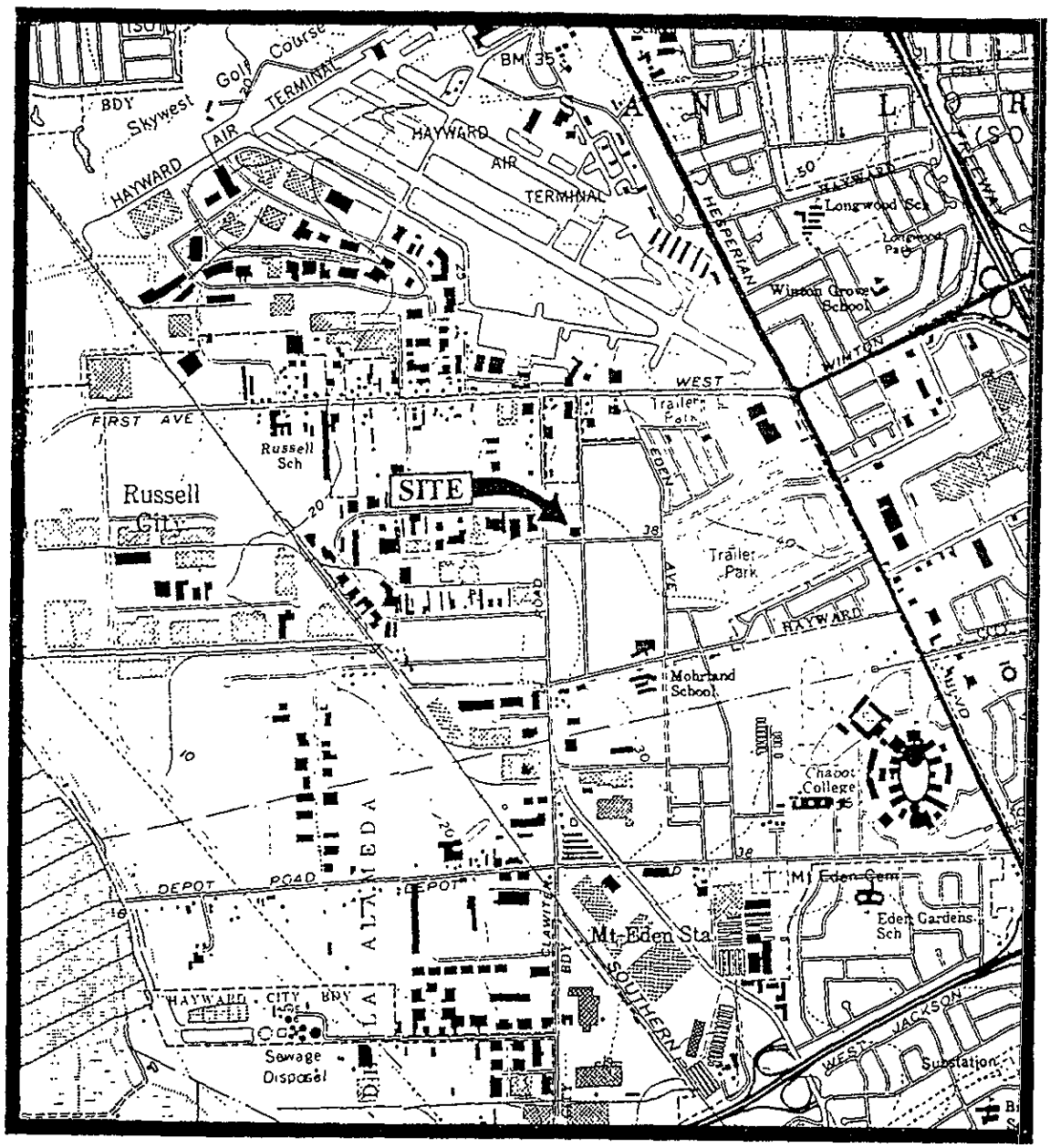
♦ Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a diesel and non-diesel mixture.

* Sequoia Analytical Laboratory reported that the hydrocarbons detected did not appear to be gasoline.

** Sequoia Analytical Laboratory reported that the hydrocarbons detected appeared to be a gasoline and non-gasoline mixture.

ND = Non-detectable.

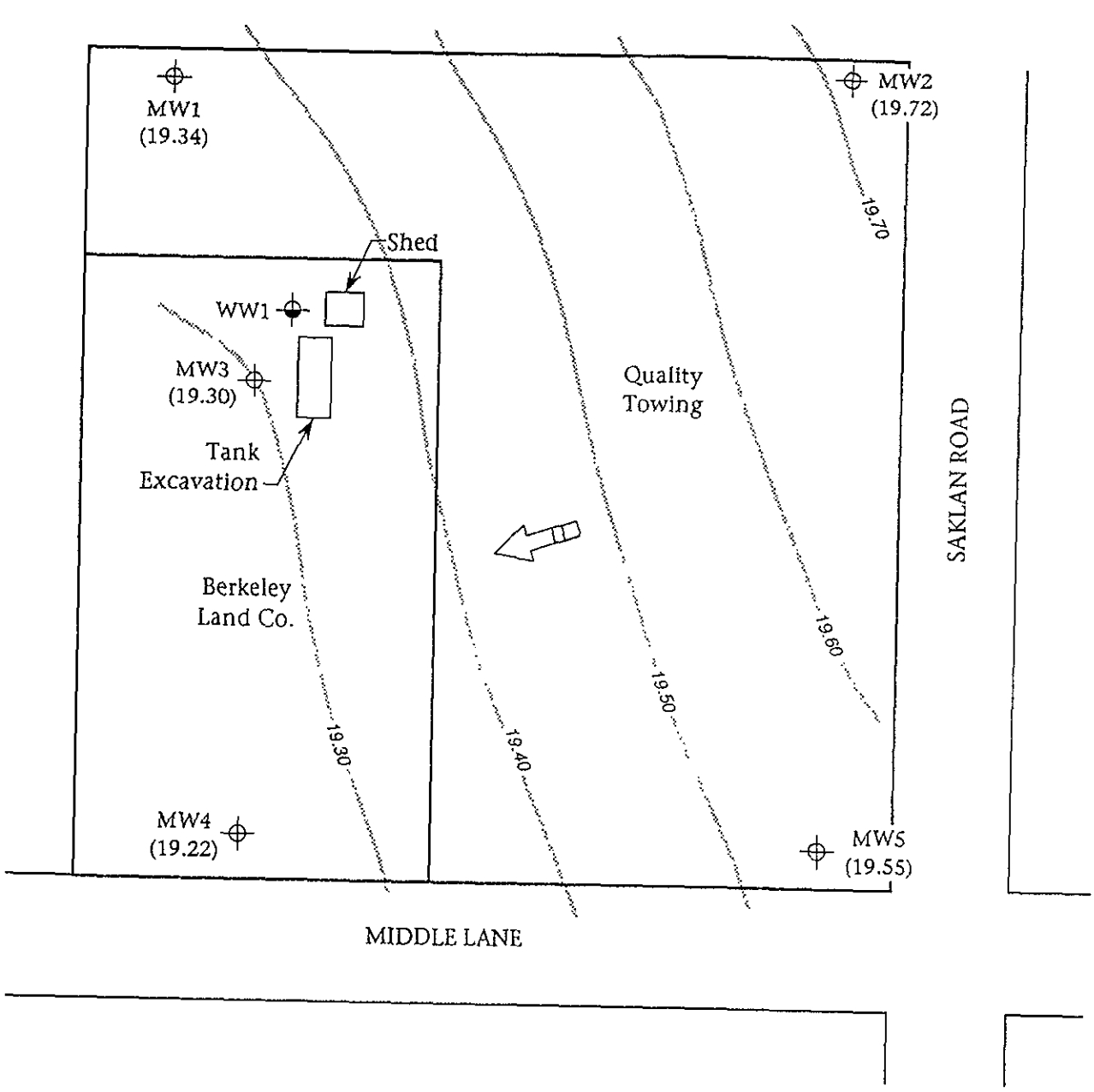
Results are in parts per billion (ppb), unless otherwise indicated.



Base modified from 7.5 minute U.S.G.S.
Hayward & San Leandro Quadrangles
(*both photorevised* 1980)

0 2000 4000
Approx. scale feet

KAPREALIAN ENGINEERING INCORPORATED	BERKELEY LAND CO. 23555 SAKLAN ROAD HAYWARD, CALIFORNIA	LOCATION MAP



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

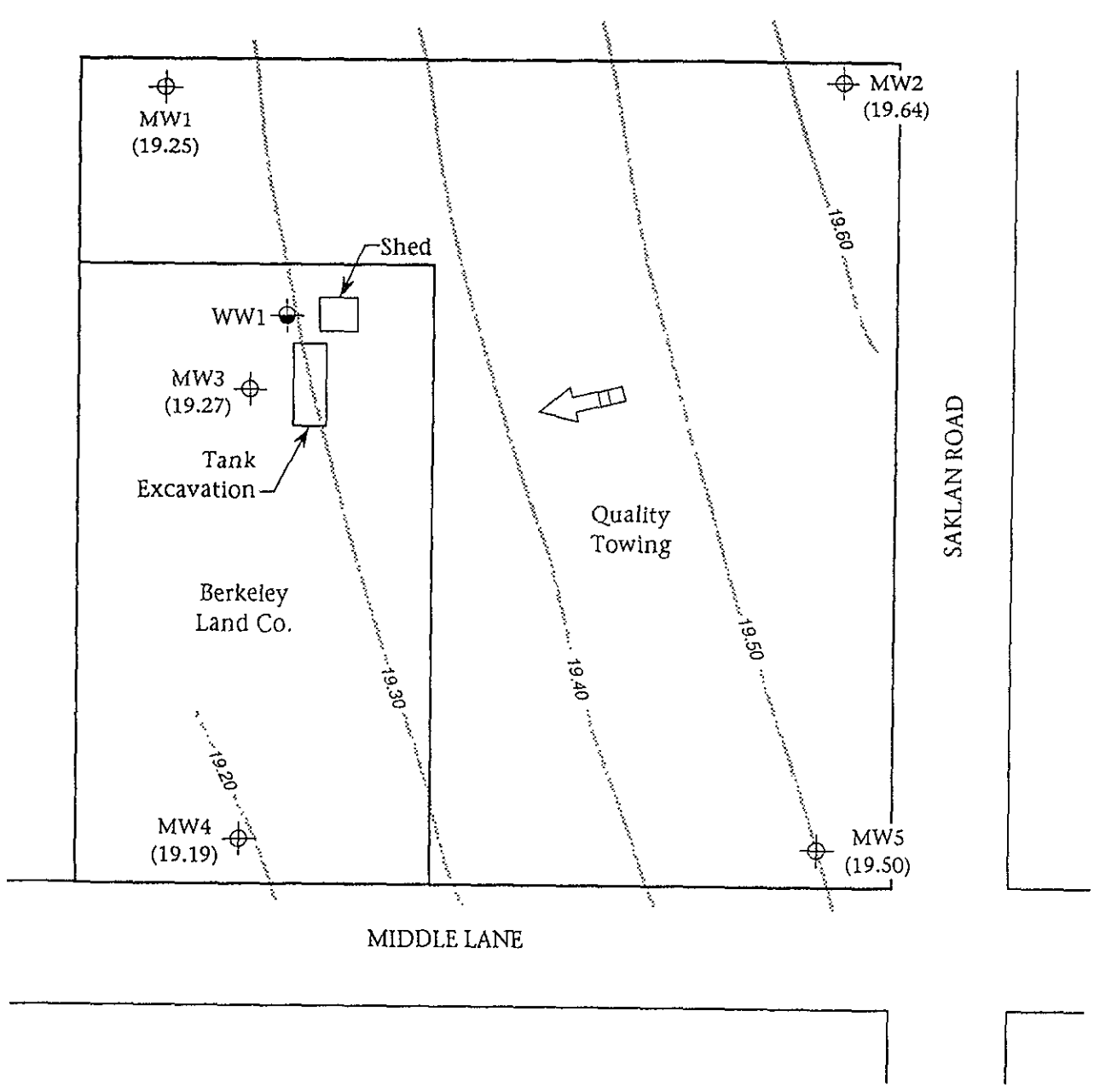
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE JANUARY 20, 1994 MONITORING EVENT

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
1



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

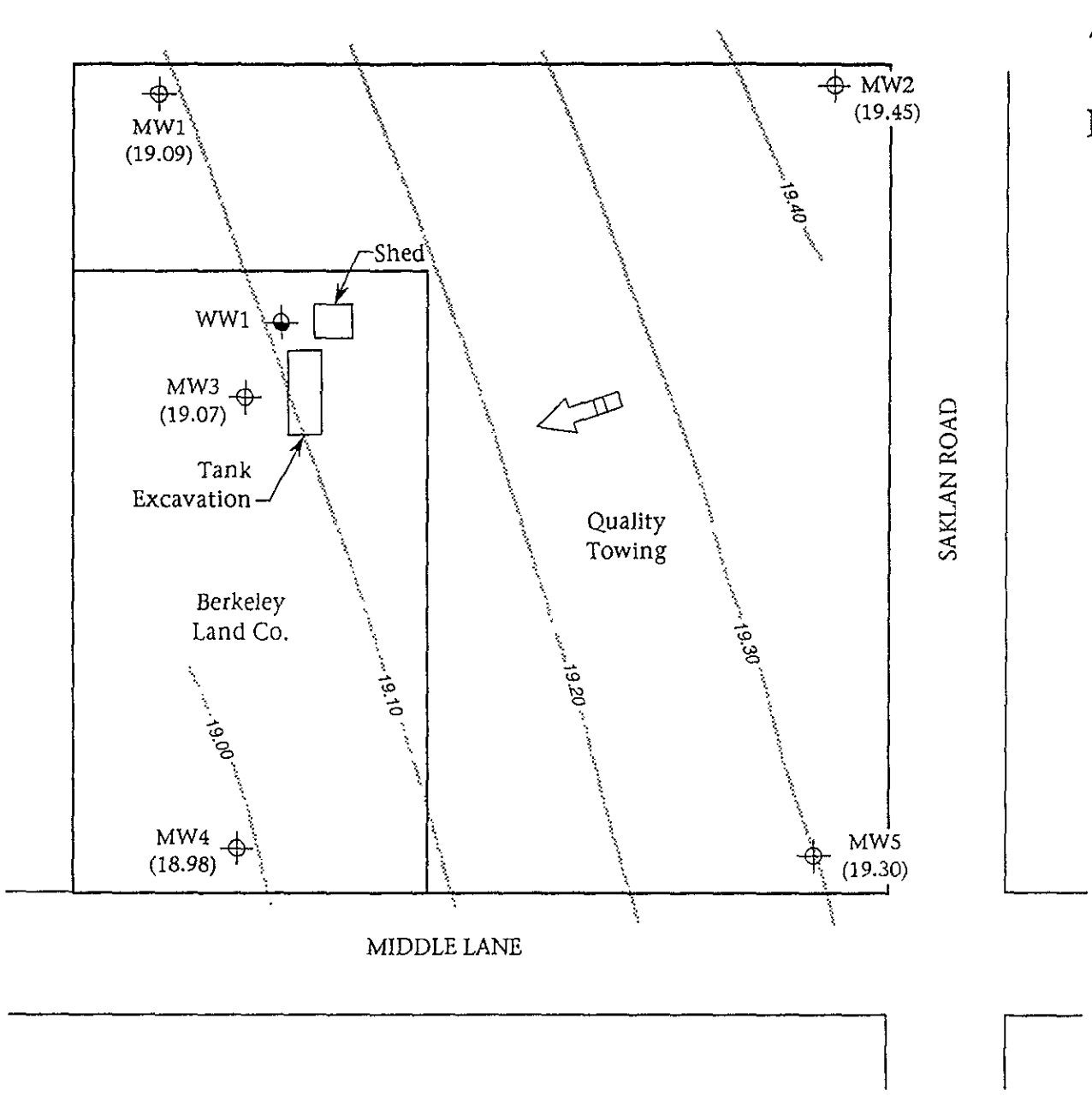
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE DECEMBER 13, 1993 MONITORING EVENT

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
2



LEGEND

- Monitoring well
- Water well
- ( ) Ground water elevation in feet above Mean Sea Level
- Direction of ground water flow
- Contours of ground water elevation

0 40 80

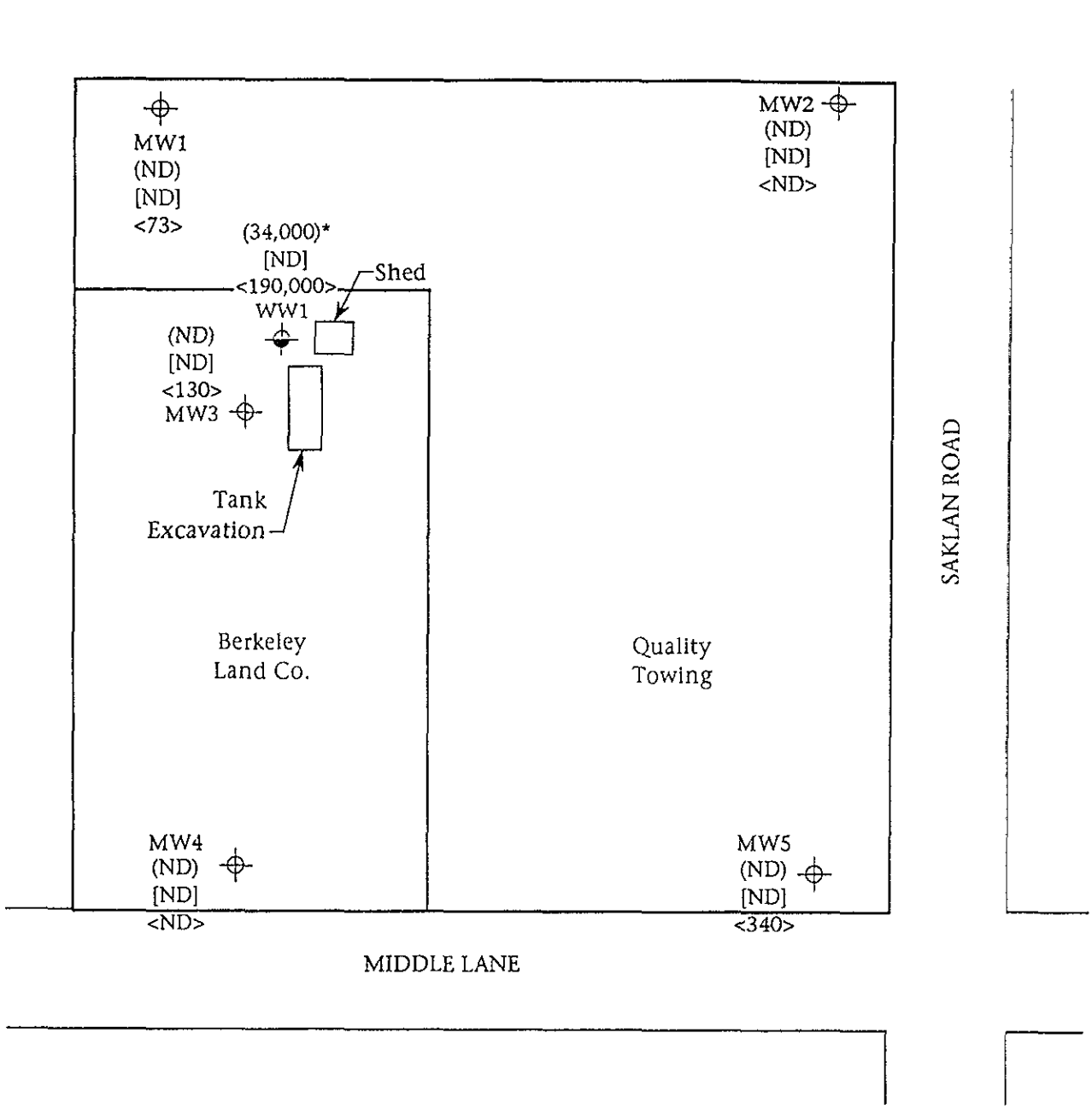
Approx. scale feet

POTENTIOMETRIC SURFACE MAP FOR THE NOVEMBER 16, 1993 MONITORING EVENT

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
3



LEGEND

- Monitoring well
- Water well
- ( ) Concentration of TPH as gasoline in ppb
- [ ] Concentration of benzene in ppb
- < > Concentration of TPH as diesel in ppb

ND = Non-detectable

* The hydrocarbons detected did not appear to be gasoline.

0 40 80

Approx. scale feet

PETROLEUM HYDROCARBON CONCENTRATIONS IN GROUND WATER ON JANUARY 20, 1994

KAPREALIAN ENGINEERING
INCORPORATED

BERKELEY LAND CO.
23555 SAKLAN ROAD
HAYWARD, CALIFORNIA

FIGURE
4

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.	Client Project ID:	Berkeley Farms, 23555 Saklan Rd., Hayward	Sampled:	Jan 20, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Water	Received:	Jan 21, 1994
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported:	Feb 7, 1994
Attention: Avo Avedissian	First Sample #:	401-0916		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. 401-0916 MW-1	Sample I.D. 401-0917 MW-2	Sample I.D. 401-0918 MW-3	Sample I.D. 401-0919 MW-4	Sample I.D. 401-0920 MW-5	Sample I.D. 401-0921 WW-1
Purgeable Hydrocarbons	50	N.D.	N.D.	N.D.	N.D.	N.D.	34,000
Benzene	0.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Toluene	0.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Ethyl Benzene	0.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Total Xylenes	0.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromatogram Pattern:		--	--	--	--	--	Non-Gasoline Mixture >C10

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	400
Date Analyzed:	1/26/94	1/26/94	1/26/94	1/26/94	1/26/94	1/26/94
Instrument Identification:	HP-2	HP-2	HP-2	HP-2	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	109	106	108	105	104	102

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Alan B. Kemp
Project Manager

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.	Client Project ID:	Berkeley Farms, 23555 Saklan Rd., Hayward	Sampled:	- -
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Water	Received:	- -
Concord, CA 94520	Analysis Method:	EPA 5030/8015/8020	Reported:	Feb 7, 1994
Attention: Avo Avedissian	First Sample #:	Method Blank		

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit µg/L	Sample I.D. Method Blank
Purgeable Hydrocarbons	50	
Benzene	0.5	
Toluene	0.5	
Ethyl Benzene	0.5	
Total Xylenes	0.5	

Chromatogram Pattern:

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Analyzed:	1/26/94
Instrument Identification:	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	110

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Alan B. Kemp
Project Manager

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.	Client Project ID:	Berkeley Farms, 23555 Saklan Rd., Hayward	Sampled:	Jan 20, 1994
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Water	Received:	Jan 21, 1994
Concord, CA 94520	Analysis Method:	EPA 3510/3520/8015	Reported:	Feb 7, 1994
Attention: Avo Avedissian	First Sample #:	401-0916		

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. 401-0916 MW-1	Sample I.D. 401-0917 MW-2	Sample I.D. 401-0918 MW-3	Sample I.D. 401-0919 MW-4	Sample I.D. 401-0920 MW-5	Sample I.D. 401-0921 WW1
Extractable Hydrocarbons	50	73	N.D.	130	N.D.	340	190,000
Chromatogram Pattern:		Diesel	--	Diesel	--	Diesel and Non-Diesel Mixture >C20	Diesel

Quality Control Data

Report Limit Multiplication Factor:	1.0	1.0	1.0	1.0	1.0	100
Date Extracted:	1/25/94	1/25/94	1/25/94	1/25/94	1/25/94	1/25/94
Date Analyzed:	1/27/94	1/27/94	1/27/94	1/27/94	1/27/94	1/31/94
Instrument Identification:	HP-3B	HP-3B	HP-3B	HP-3B	HP-3B	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Alan B. Kemp
Project Manager

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.	Client Project ID:	Berkeley Farms, 23555 Saklan Rd., Hayward	Sampled:	- -
2401 Stanwell Dr., Ste. 400	Sample Matrix:	Water	Received:	- -
Concord, CA 94520	Analysis Method:	EPA 3510/3520/8015	Reported:	Feb 7, 1994
Attention: Avo Avedissian	First Sample #:	Method Blank		

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

Analyte	Reporting Limit µg/L	Sample I.D. Method Blank
Extractable Hydrocarbons	50	

Chromatogram Pattern:

Quality Control Data

Report Limit Multiplication Factor:	1.0
Date Extracted:	1/25/94
Date Analyzed:	1/31/94
Instrument Identification:	HP-3B

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Alan B. Kemp
Project Manager

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Berkeley Farms, 23555 Saklan Rd., Hayward
Matrix: Liquid

QC Sample Group: 4010916-21

Reported: Feb 7, 1994

QUALITY CONTROL DATA REPORT

ANALYTE	Benzene	Toluene	Ethyl Benzene	Xylenes	Diesel
Method:	EPA 8020	EPA 8020	EPA 8020	EPA 8020	EPA 8015
Analyst:	J. Fontecha	J. Fontecha	J. Fontecha	J. Fontecha	K. Wimer
MS/MSD Batch#:	4010920	4010920	4010920	4010920	BLK012594
Date Prepared:	1/26/94	1/26/94	1/26/94	1/26/94	1/25/94
Date Analyzed:	1/26/94	1/26/94	1/26/94	1/26/94	1/31/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B
Conc. Spiked:	20 µg/L	20 µg/L	20 µg/L	60 µg/L	300 µg/L
Matrix Spike % Recovery:	115	110	110	113	84
Matrix Spike Duplicate % Recovery:	110	105	110	110	86
Relative % Difference:	4.4	4.6	0.0	2.7	3.1
LCS Batch#:	1LCS012694	1LCS012694	1LCS012694	1LCS012694	BLK012594
Date Prepared:	1/26/94	1/26/94	1/26/94	1/26/94	1/25/94
Date Analyzed:	1/26/94	1/26/94	1/26/94	1/26/94	1/31/94
Instrument I.D.#:	HP-2	HP-2	HP-2	HP-2	HP-3B
LCS % Recovery:	98	95	94	96	84
% Recovery Control Limits:	71-133	72-128	72-130	71-120	28-122

SEQUOIA ANALYTICAL

Alan B. Kemp
Project Manager

Please Note:
The LCS is a control sample of known, interferent free matrix that is analyzed using the same reagents, preparation, and analytical methods employed for the samples. The matrix spike is an aliquot of sample fortified with known quantities of specific compounds and subjected to the entire analytical procedure. If the recovery of analytes from the matrix spike does not fall within specified control limits due to matrix interference, the LCS recovery is to be used to validate the batch.

SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520
(510) 686-9600 • FAX (510) 686-9689

Kaprealian Engineering, Inc.
2401 Stanwell Dr., Ste. 400
Concord, CA 94520
Attention: Avo Avedissian

Client Project ID: Berkeley Farms, 23555 Saklan Rd., Hayward

QC Sample Group: 4010916-21

Reported: Feb 7, 1994

QUALITY CONTROL DATA REPORT

SURROGATE

Method:	EPA 8015	EPA 8015	EPA 8015	EPA 8015	EPA 8015	EPA 8015	EPA 8015
Analyst:	K. Wimer	K. Wimer	K. Wimer	K. Wimer	K. Wimer	K. Wimer	K. Wimer
Reporting Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Date Analyzed:	1/27/94	1/27/94	1/27/94	1/27/94	1/27/94	1/31/94	1/31/94
Sample #:	401-0916	401-0917	401-0918	401-0919	401-0920	401-0921	Method Blank
Surrogate % Recovery:	93	90	95	106	101	753	113

SEQUOIA ANALYTICAL

Alan B. Kemp
Project Manager

% Recovery:	Conc. of M.S. - Conc. of Sample / Spike Conc. Added	x 100
Relative % Difference:	Conc. of M.S. - Conc. of M.S.D. / (Conc. of M.S. + Conc. of M.S.D.) / 2	x 100

KAPREALIAN ENGINEERING
INCORPORATED

CHAIN OF CUSTODY

SAMPLER: J. Goddings
WITNESSING AGENCY:
SITE NAME & ADDRESS: Berkeley Farms, 23555 Saklan Rd. Hayward.

SAMPLE ID NO.	DATE	TIME	SOIL	WATER	GRAB	COMP	NO. OF CONT.	SAMPLING LOCATION	ANALYSES REQUESTED: TPH-G	BTEX	TPH-D					
MW1	1-20-94	15:30		✓			3		✓	✓	✓					
MW2	"	14:30		✓			3		✓	✓	✓					
MW3	"	15:10		✓			3		✓	✓	✓					
MW4	"	14:45		✓			3		✓	✓	✓					
MW5	"	14:55		✓			3		✓	✓	✓					
WW1	"	15:45		✓			3		✓	✓	✓					

TURN AROUND TIME: Regular

REMARKS:
4010916 A-C
0917
0918
0919
0920
0921

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	1/21/94 1650	[signature]
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

The following MUST BE completed by the laboratory accepting samples for analysis:

1. Have all samples received for analysis been stored in ice? Y
2. Will samples remain refrigerated until analyzed? Y
3. Did any samples received for analysis have head space? N
4. Were samples in appropriate containers and properly packaged? Y

[signature] Signature — [signature] Title — 1/21/94 Date

2401 Stanwell Drive, Suite 400
Concord, California 94520
Tel: 510 602 5100 Fax 510 687 0602